

TECHNOFAN

Interface for supplying power to a load from an electrical power supply network

ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION

The power supply interface (10) includes a rectification stage (18) having an autotransformer (40) connected to the power supply network (12) and a signal conditioning stage (20) having an output (28) supplying power to the load (14). The conditioning stage (20) includes a power module (22) for conditioning the power supply signal and a control module (24) designed to control the power module (22).

The autotransformer (40) includes at least one additional winding (62A, 62B, 62C; 64A, 64B, 64C) connected to the control module (24) to supply it with electrical power, the or each additional winding being magnetically coupled to at least one primary winding (44A, 44B, 44C) of the autotransformer (40).

An application is that of supplying power to a motor in an airplane.

One figure.